

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A control apparatus controlling an information processing apparatus, comprising:

detection means for detecting an information processing apparatus through wireless communication;

first display means for displaying, based only on detecting the information processing apparatus, a temporary operation screen for controlling the information processing apparatus prior to and while until receiving operation screen information from the information processing apparatus;

first acquisition means for acquiring operation screen information of a plurality of information processing apparatuses when the plurality of information processing apparatuses are detected, each operation screen information including a full display for controlling the corresponding information processing apparatus;

storage management means for storing the operation screen information;

editing means for editing the operation screen information to display operation screen information for the plurality of information processing apparatuses in a single display region;

second display means for displaying the edited operation screen information;

control means for controlling the information processing apparatuses based on an input provided to the displayed operation screens;

detecting means for detecting when a first of the information processing apparatuses moves outside a range for the wireless communication; and

clearing means for clearing the display of the operation screen information for the first information processing apparatus when the first information processing apparatus moves outside the range.

2. (Previously Presented) The control apparatus according to claim 1, wherein the first acquisition means acquires the operation screen information from the information processing apparatus through the wireless communication.

3. (Previously Presented) The control apparatus according to claim 1, wherein the first acquisition means acquires the operation screen information from a predetermined server through the wireless communication.

4. (Cancelled).

5. (Previously Presented) The control apparatus according to claim 1, wherein the storage management means clears less frequently used operation screen information from among the operation screen information.

6. (Previously Presented) The control apparatus according to claim 1, further comprising intensity detection means for detecting intensities of radio waves emitted from the plurality of information processing apparatuses,

wherein the editing means edits, based on the intensities, the operation screen information so that the operation screen of the information processing apparatus that emits a high intensity radio wave is displayed by priority.

7. (Currently Amended) A control apparatus controlling an information processing apparatus, comprising:

detection means for detecting an information processing apparatus through wireless communication;

first acquisition means for acquiring operation screen information of a plurality of information processing apparatuses when the plurality of information processing apparatuses are detected, each operation screen information including a full display for controlling the corresponding information processing apparatus;

storage management means for storing the operation screen information;

editing means for editing the operation screen information to display operation screen information for the plurality of information processing apparatuses in a single display region;

display means for displaying the edited operation screen information;

control means for controlling the information processing apparatuses based on an input provided to the displayed operation screens; and

intensity detection means for detecting intensities of radio waves emitted from the plurality of information processing apparatuses,

wherein the display means determines, based on the intensities, whether the control apparatus is out of a communication coverage with the information processing apparatuses, initiates a timer when the intensities fall below a predetermined

threshold, counts an elapsed time using the timer during which the intensities remain below the predetermined threshold, and thereafter increases the transparency of the corresponding operation screen gradually at predetermined times when the control apparatus is out of the communication coverage, the communication coverage including a defined vicinity to the control apparatus.

8. (Previously Presented) The control apparatus according to claim 1, wherein the editing means edits the plurality of operation screen information so that the operation screen being operated is continuously displayed.

9. (Previously Presented) The control apparatus according to claim 1, further comprising history management means for managing a history of control of the information processing apparatus.

10. (Previously Presented) The control apparatus according to claim 9, wherein the editing means edits, based on the history, the operation screen information so that the operation screen of a most recently operated information processing apparatus is displayed by priority.

11. (Previously Presented) The control apparatus according to claim 9, wherein the editing means edits, based on the history, the operation screen information so that a most frequently used operation screen is displayed by priority.

12. (Previously Presented) The control apparatus according to claim 9, wherein the editing means edits, based on the history, the operation screen information

so that the operation screen which is most likely to be used within a period of time including a current time is displayed by priority.

13. (Previously Presented) The control apparatus according to claim 9, further comprising selection means for selecting, based on the history, other information processing apparatus relevant to the information processing apparatus whose operation screen is being displayed,

wherein the editing means edits the operation screen information so that the operation screen of the other processing apparatus is displayed together with the operation screen of the information processing apparatus.

14. (Currently Amended) A control apparatus controlling an information processing apparatus, comprising:

detection means for detecting an information processing apparatus through wireless communication;

first acquisition means for acquiring operation screen information of a plurality of information processing apparatuses when the plurality of information processing apparatuses are detected, each operation screen information including a full display for controlling the corresponding information processing apparatus;

storage management means for storing the operation screen information;

editing means for editing the operation screen information to display operation screen information for the plurality of information processing apparatuses in a single display region;

display means for displaying the edited operation screen information;

control means for controlling the information processing apparatuses based on an input provided to the displayed operation screens; and

selection means for selecting a second information processing apparatus that is relevant to the information processing apparatus based on a time difference between times at which the information processing apparatus and the second information processing apparatus are respectively controlled,

~~wherein the display means displays the operation screens for the information processing apparatus and the second information processing apparatus together, and~~

wherein the display means simultaneously displays in two frames the operation screen for the information processing apparatus and the operation screen for the second information processing apparatus, wherein one of the two frames is larger than the other, the in a larger frame including a most frequently ~~recently~~ used one of the operation screen for the information processing apparatus and the second information processing apparatus.

15. (Previously Presented) The control apparatus according to claim 1, wherein the operation screen information is described in an HTML (Hyper Text Markup Language).

16. (Previously Presented) The control apparatus according to claim 1, further comprising second acquisition means for acquiring other operation screen information in accordance with a category of the information processing apparatus,

wherein the display means displays, until the operation screen information is acquired by the first acquisition means, other operation screen based on the other operation screen information acquired by the second acquisition means.

17. (Previously Presented) The control apparatus according to claim 1, wherein when the information processing apparatus transmits the operation screen information, the first acquisition means transmits feature information indicating a feature of then control apparatus and acquires the operation screen information transmitted from the information processing apparatus in response to the transmission.

18. (Currently Amended) A control method of a control apparatus for controlling an information processing apparatus, comprising:

detecting the information processing apparatus through wireless communication;

displaying, based only on detecting the information processing apparatus, a temporary operation screen for controlling the information processing apparatus prior to and while until receiving operation screen information from the information processing apparatus;

acquiring operation screen information for displaying an operation screen for controlling the information processing apparatus while acquiring operation screen information of a plurality of information processing apparatuses, each operating screen information including a full display for controlling the corresponding information processing apparatus;

storing the operation screen information;

editing the operation screen information to display operation screen information for the plurality of information processing apparatuses in a single display region;

displaying the edited operation screen information;

controlling the information processing apparatuses based on an input provided from the displayed operation screen information;

detecting when a first of the information processing apparatuses moves outside a range for the wireless communication; and

clearing the display of the operation screen information for the first information processing apparatus when the first information processing apparatus moves outside the range.

19. (Currently Amended) A computer-readable medium comprising a program which, when executed by a processor, performs a method for controlling an information processing apparatus, the method comprising:

detecting an information processing apparatus through wireless communication;

displaying, based only on detecting the information processing apparatus, a temporary operation screen for controlling the information processing apparatus prior to and while until receiving operation screen information from the information processing apparatus;

acquiring operation screen information for displaying an operation screen for controlling the information processing apparatus while acquiring operation screen information of a plurality of information processing apparatuses, each operating screen

information including a full display for controlling the corresponding information processing apparatus;

storing the operation screen information:

editing the operation screen information to display operation screen information for the plurality of information processing apparatuses in a single display region;

displaying the edited operation screen information;

controlling the information processing apparatuses based on an input provided from the displayed operation screen information;

detecting when a first of the information processing apparatuses moves outside a range for the wireless communication; and

clearing the display of the operation screen information for the first information processing apparatus when the first information processing apparatus moves outside the range.

20. (Cancelled).

21. (Currently Amended) An information processing apparatus being controlled by a control apparatus, comprising:

storage means for storing operation screen information that is edited by the control apparatus, the operation screen information providing the control apparatus with a full display operation screen, the operation screen providing controls for the information processing apparatus; and

transmission means for transmitting the operation screen information to the control apparatus through wireless communication in response to a request from the control apparatus,

wherein the control apparatus controls the information processing apparatus with a temporary operation screen that is displayed, based only on detecting the information processing apparatus, prior to and while ~~until~~ transmitting the operation screen information,

wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display, and

wherein the control apparatus removes the display of the operating screen for the information processing apparatus when the information processing apparatus moves outside a range of the wireless communication.

22. (Previously Presented) The information processing apparatus according to claim 21,

wherein the operation screen information is selected based on feature information indicating a feature of the control apparatus, and

wherein the transmission means transmits the selected operation screen information.

23. (Currently Amended) An information processing method of an information processing apparatus being controlled by a control apparatus, the method comprising:

storing operation screen information that is edited by the control apparatus, the operation screen information providing the control apparatus with a full display operation screen, the operation screen providing controls for the information processing apparatus; and

transmitting the operation screen information to the control apparatus through wireless communication in response to a request from the control apparatus,

wherein the control apparatus controls the information processing apparatus using a temporary operation screen that is displayed, based only on detecting the information processing apparatus, prior to and while until transmitting the operation screen information,

wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display, and

wherein the control apparatus removes the display of the operating screen for the information processing apparatus when the information processing apparatus moves outside a range of the wireless communication.

24. (Currently Amended) A computer-readable medium comprising a program which, when executed by a processor, performs a method for controlling an operation based on an instruction from a control apparatus, the method comprising:

storing operation screen information that is edited by the control apparatus, the operation screen information providing the control apparatus with a full display operation screen, the operation screen providing controls for an information processing apparatus; and

transmitting the operation screen information to the control apparatus through wireless communication in response to a request from the control apparatus,

wherein the control apparatus displays, based only on detecting the information processing apparatus, a temporary operation screen for controlling the information processing apparatus prior to and while until transmitting the operation screen information,

wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display, and

wherein the control apparatus removes the display of the operating screen for the information processing apparatus when the information processing apparatus moves outside a range of the wireless communication.

25. (Cancelled).